1R - 427 - 158

REPORTS

DATE:

11-22-04

Elle K-Le Vent

IR0427-158

FINAL

REPORT

RICE OPERATING COMPANY
JUNCTION BOX FINAL REPORT

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
							Length	Width	Depth
EME	K-6 vent	K	6	22S	36E	Lea	no box--junction eliminated		

LAND TYPE: BLM _____ STATE _____ FEE LANDOWNER W. T. Tivis OTHER _____

Depth to Groundwater 179 feet NMOCD SITE ASSESSMENT RANKING SCORE: 0

Date Started 9/20/2004 Date Completed 11/1/2004 NMOCD Witness no

Soil Excavated 111 cubic yards Excavation Length 20 Width 15 Depth 10 feet

Soil Disposed 0 cubic yards Offsite Facility n/a Location n/a

FINAL ANALYTICAL RESULTS:

Sample Date 10/11/2004, 11/1/2004 **Sample Depth** 10, 105 ft

Procure 5-point composite sample of bottom and 4-point composite sample of excavation sidewalls. TPH and chloride laboratory test results completed by using an approved lab and testing procedures pursuant to NMOCD guidelines.

Sample Location	PID ppm	GRO mg/kg	DRO mg/kg	Chloride mg/kg
4-WALL COMP.	0.1	<10.0	<10.0	276
BOTTOM COMP.	0.1	<10.0	<10.0	106
REMED. BACKFILL	16.4	<10.0	46.3	63.8
SOIL BORE @ 105 ft	0.9	XXX	XXX	702

General Description of Remedial Action: This site contained 2 boxes located in well-vegetated pastureland. Due to the close proximity of the boxes, they were characterized and delineated as one site. A backhoe was used to delineate and excavate while PID screenings and chloride field tests were conducted at every foot. Chloride concentrations were elevated and increased with depth. All PID readings were 0.1 ppm and lab results confirmed TPH concentrations well below NMOCD guidelines. The excavated soils from the 20 x 15 x 10-ft-deep excavation were blended on site and backfilled to 5 ft BGS. At 5 ft, a 1-ft-thick compacted clay barrier was installed to inhibit downward chloride migration. The remaining spoils were backfilled on top of the clay. On 11/1/2004, a soil bore was initiated to further investigate chloride concerns. The bore was advanced to 125 ft where the hole collapsed. The deepest sample collected was at 105 ft where a conclusive trend of decline was observed in chloride concentrations. The bore hole was plugged with bentonite and an identification plate has been placed on the surface of this site to mark the clay below. The disturbed surface has been seeded with a blend of native vegetation. Based on the depth to groundwater and the declination trend of chloride concentrations with depth, groundwater is not threatened by this site. This junction has been eliminated so a junction box is no longer required at this site.

enclosures: chloride graph, photos, lab results, PID screenings, clay test, bore log, cross-section, plan-view

CHLORIDE FIELD TESTS

LOCATION	DEPTH (ft)	ppm
4-wall comp.	n/a	289
bottom comp.	10	230
remed. backfill	n/a	149
10 ft EAST of junction	3	417
	4	608
	5	949
	6	844
	7	1029
	8	894
	9	1616
	10	2237
SOIL BORE 10 ft east of junction	15	1421
	20	1437
	25	1648
	30	1574
	35	1142
	40	1333
	45	987
	50	1292
	55	1410
	60	1112
	65	884
	70	1070
	75	1150
	80	818
	85	920
	95	830
	105	623

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF.

SITE SUPERVISOR Joe Gatts SIGNATURE Joe Gatts COMPANY RICE Operating Company

REPORT ASSEMBLED BY Kristin Farris Pope SIGNATURE Kristin Farris Pope

DATE 11/22/2004 TITLE Project Scientist

EME K-6 vent

unit 'K', Sec. 6, T22S, R36E

undisturbed junction box (looking north) 8/27/2004

box site with lumber removed 9/14/2004

delineation & excavation at former box site Sept. 2004

backfilling 10/27/2004

testing clay barrier at 6 ft BGS 10/29/2004

delineation soil bore 11/1/2004

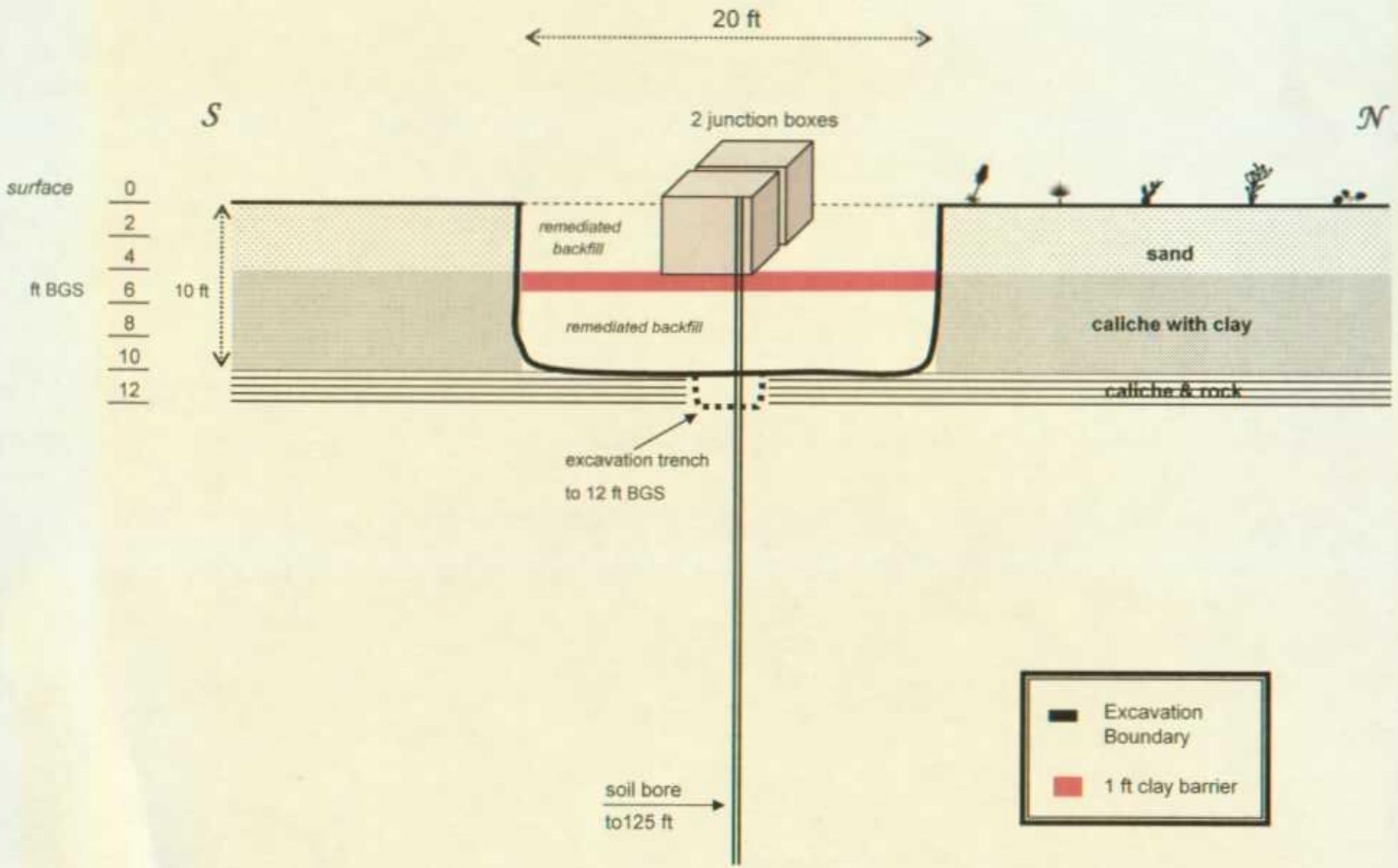
seeding disturbed surface 11/4/2004

ID plate on surface at the site of the former junction box Nov. 2004

EME K-6 vent

20 x 15 x 10 ft

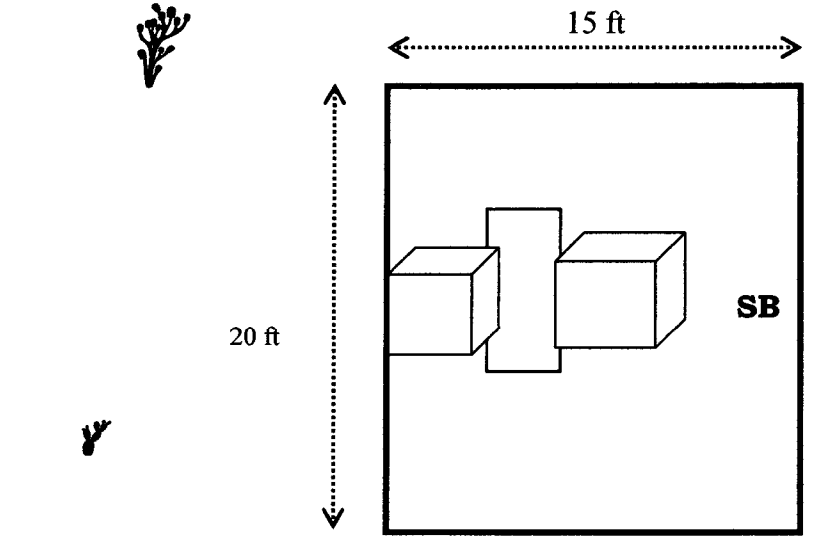
Excavation Cross-Section



EME K-6 vent

20 x 15 x 10-ft-deep

Excavation Cross-Section



= 2 x 2 ft

= junction box

= Excavation 10 ft deep (lined with clay)

= Excavation trench to 12 ft BGS

SB = Soil bore location

= Established vegetation

N

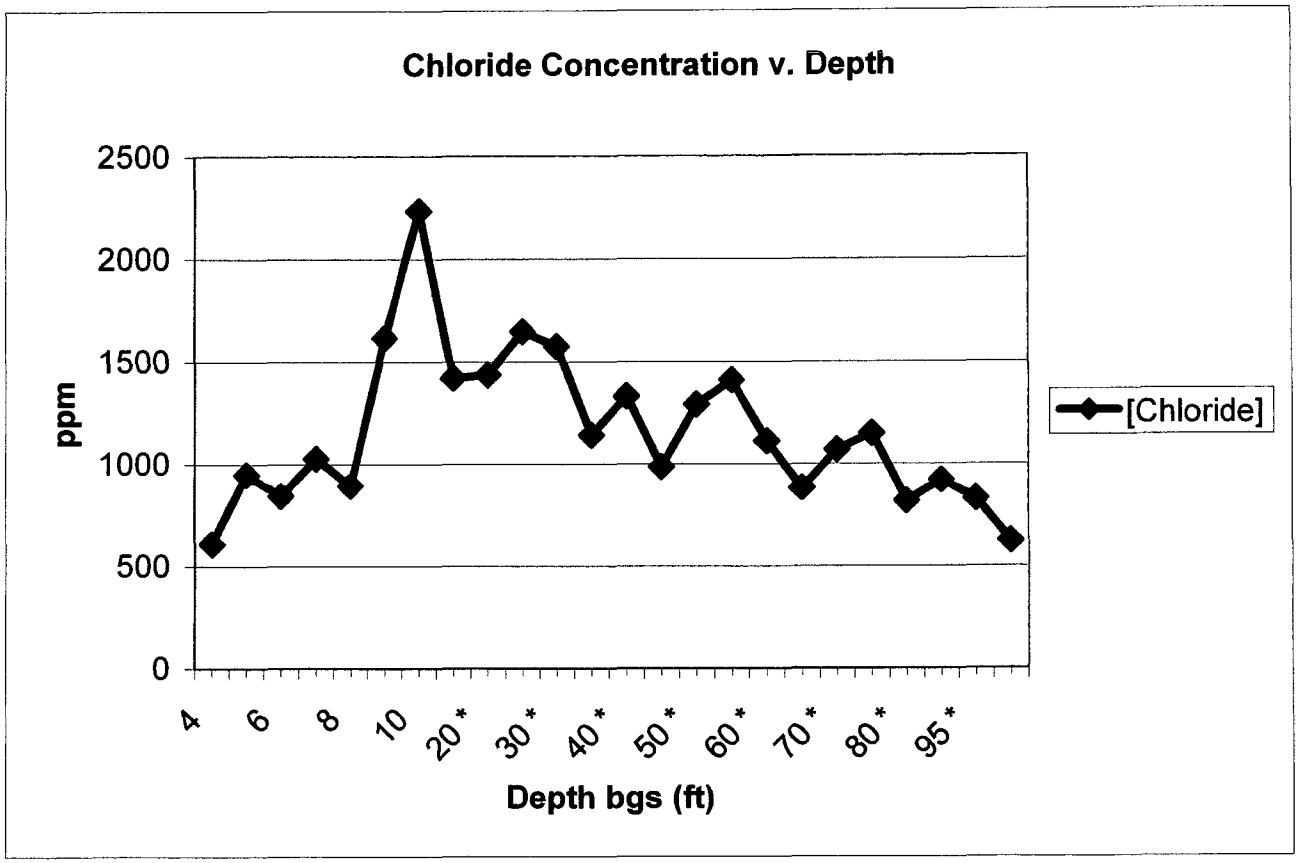
LEASE ROAD

EME K-6 vent

unit 'K', sec. 6, T22S, R36E

10 ft EAST of junction

Depth bgs (ft)	[Cl⁻] ppm
4	608
5	949
6	844
7	1029
8	894
9	1616
10	2237
15 *	1421
20 *	1437
25 *	1648
30 *	1574
35 *	1142
40 *	1333
45 *	987
50 *	1292
55 *	1410
60 *	1112
65 *	884
70 *	1070
75 *	1150
80 *	818
85 *	920
95 *	830
105 *	623



* soil boring samples

groundwater = 179 ft

LOG OF BORING

K. Farris Pope

RICE Operating Company

Logger:	Israel Juarez	**Client:**	**Well ID:**
Driller:	Eades Drilling & Pump Service	RICE Operating Company	
Drilling Method:	Hollow Stem Auger	**Project Name:**	
Start Date:	11/1/2004	EME K-6 vent	**SB-1**
End Date:	11/1/2004	**Location:**	
Notes:	10 ft EAST of former junction box	EME SWD System	
	TD = 125 ft Groundwater = 179 ft	unit 'K', Sec. 6, T22S, R36E	
		Lea County, NM	

Depth (feet)	Split Spoon chloride	Split Spoon PID	Description	Lithology	Additional Notes
0.0			0 - 10 ft TOP SOIL & BACKFILL		
5.0					
10.0					
15.0	1421		10 - 34 ft CALICHE & SAND		
20.0	1437				
25.0	1648				
30.0	1574				
35.0	1142		34 - 125 ft SAND & SANDSTONE		
40.0	1333				
45.0	987				
50.0	1292				
55.0	1410				BORE HOLE PLUGGED WITH BENTONITE ←
60.0	1112				
65.0	884				
70.0	1070				
75.0	1150				
80.0	818				
85.0	920				
90.0					
95.0	830				
100.0					
105.0	623	0.9			lab = 702 ppm Cl⁻
110.0					
115.0					
120.0					*could not advance any deeper, borehole kept collapsing*
125.0					

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Roy Rascon
Rice Operating Co.
122 W. Taylor
Hobbs, NM 88240

Project: EME Jct. K-6
Project Number: None Given
Location: None Given

Lab Order Number: 4J14003

Report Date: 10/18/04

Rice Operating Co.	Project: EME Jct. K-6	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Roy Rascon	10/18/04 16:59

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Bot. Comp. at 10' bgs	4J14003-01	Soil	10/11/04 10:30	10/14/04 07:00
4 Wall Comp.	4J14003-02	Soil	10/11/04 10:45	10/14/04 07:00
Remd. Backfill	4J14003-03	Soil	10/11/04 11:00	10/14/04 07:00

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432).563-1713

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bot. Comp. at 10' bgs (4J14003-01) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EJ41416	10/14/04	10/15/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*94.8 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*105 %*	*70-130*		"	"	"	"	
4 Wall Comp. (4J14003-02) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EJ41416	10/14/04	10/15/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*95.2 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*112 %*	*70-130*		"	"	"	"	
Remd. Backfill (4J14003-03) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EJ41416	10/14/04	10/15/04	EPA 8015M	
Diesel Range Organics >C12-C35	**46.3**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**46.3**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*97.0 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*113 %*	*70-130*		"	"	"	"	

Rice Operating Co.	Project: EME Jct. K-6	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Roy Rascon	10/18/04 16:59

General Chemistry Parameters by EPA / Standard Methods
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bot. Comp. at 10' bgs (4J14003-01) Soil									
Chloride	**106**	20.0	mg/kg Wet	2	EJ41814	10/14/04	10/18/04	SW 846 9253	
% Moisture	**16.0**		%	1	EJ41503	10/14/04	10/15/04	% calculation	
4 Wall Comp. (4J14003-02) Soil									
Chloride	**276**	20.0	mg/kg Wet	2	EJ41814	10/14/04	10/18/04	SW 846 9253	
% Moisture	**8.0**		%	1	EJ41503	10/14/04	10/15/04	% calculation	
Remd. Backfill (4J14003-03) Soil									
Chloride	**63.8**	20.0	mg/kg Wet	2	EJ41814	10/14/04	10/18/04	SW 846 9253	
% Moisture	**16.0**		%	1	EJ41503	10/14/04	10/15/04	% calculation	

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Rice Operating Co.	Project: EME Jct. K-6	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Roy Rascon	10/18/04 16:59

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EJ41416 - Solvent Extraction (GC)										
Blank (EJ41416-BLK1)				Prepared: 10/14/04 Analyzed: 10/15/04						
Gasoline Range Organics C6-C12	ND	10.0	mg/kg wet							
Diesel Range Organics >C12-C35	ND	10.0	"							
Total Hydrocarbon C6-C35	ND	10.0	"							
Surrogate: 1-Chlorooctane	*35.7*		*mg/kg*	*50.0*		*71.4*	*70-130*			
Surrogate: 1-Chlorooctadecane	*39.8*		*"*	*50.0*		*79.6*	*70-130*			
LCS (EJ41416-BS1)				Prepared: 10/14/04 Analyzed: 10/15/04						
Gasoline Range Organics C6-C12	450	10.0	mg/kg wet	500		90.0	75-125			
Diesel Range Organics >C12-C35	513	10.0	"	500		103	75-125			
Total Hydrocarbon C6-C35	963	10.0	"	1000		96.3	75-125			
Surrogate: 1-Chlorooctane	*46.7*		*mg/kg*	*50.0*		*93.4*	*70-130*			
Surrogate: 1-Chlorooctadecane	*43.4*		*"*	*50.0*		*86.8*	*70-130*			
Calibration Check (EJ41416-CCV1)				Prepared: 10/14/04 Analyzed: 10/15/04						
Gasoline Range Organics C6-C12	502		mg/kg	500		100	80-120			
Diesel Range Organics >C12-C35	574		"	500		115	80-120			
Total Hydrocarbon C6-C35	1080		"	1000		108	80-120			
Surrogate: 1-Chlorooctane	*51.6*		*"*	*50.0*		*103*	*70-130*			
Surrogate: 1-Chlorooctadecane	*60.1*		*"*	*50.0*		*120*	*70-130*			
Matrix Spike (EJ41416-MS1)		**Source: 4J14001-01**		Prepared: 10/14/04 Analyzed: 10/15/04						
Gasoline Range Organics C6-C12	556	10.0	mg/kg dry	575	ND	96.7	75-125			
Diesel Range Organics >C12-C35	621	10.0	"	575	ND	108	75-125			
Total Hydrocarbon C6-C35	1180	10.0	"	1150	ND	103	75-125			
Surrogate: 1-Chlorooctane	*48.0*		*mg/kg*	*50.0*		*96.0*	*70-130*			
Surrogate: 1-Chlorooctadecane	*48.2*		*"*	*50.0*		*96.4*	*70-130*			
Matrix Spike Dup (EJ41416-MSD1)		**Source: 4J14001-01**		Prepared: 10/14/04 Analyzed: 10/15/04						
Gasoline Range Organics C6-C12	530	10.0	mg/kg dry	575	ND	92.2	75-125	4.79	20	
Diesel Range Organics >C12-C35	564	10.0	"	575	ND	98.1	75-125	9.62	20	
Total Hydrocarbon C6-C35	1090	10.0	"	1150	ND	94.8	75-125	7.93	20	
Surrogate: 1-Chlorooctane	*52.1*		*mg/kg*	*50.0*		*104*	*70-130*			
Surrogate: 1-Chlorooctadecane	*50.0*		*"*	*50.0*		*100*	*70-130*			

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General Chemistry Parameters by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EJ41503 - % Solids										
Blank (EJ41503-BLK1)				Prepared: 10/14/04 Analyzed: 10/15/04						
% Moisture	0.0		%							
Duplicate (EJ41503-DUP1)		**Source: 4J13011-01**		Prepared: 10/14/04 Analyzed: 10/15/04						
% Moisture	14.0		%		13.0			7.41	20	
Batch EJ41814 - Water Extraction										
Blank (EJ41814-BLK1)				Prepared: 10/11/04 Analyzed: 10/18/04						
Chloride	ND	20.0	mg/kg Wet							
Matrix Spike (EJ41814-MS1)		**Source: 4J08006-02**		Prepared: 10/11/04 Analyzed: 10/18/04						
Chloride	468	20.0	mg/kg Wet	500	0.00	93.6	80-120			
Matrix Spike Dup (EJ41814-MSD1)		**Source: 4J08006-02**		Prepared: 10/11/04 Analyzed: 10/18/04						
Chloride	478	20.0	mg/kg Wet	500	0.00	95.6	80-120	2.11	20	
Reference (EJ41814-SRM1)				Prepared & Analyzed: 10/18/04						
Chloride	5000		mg/kg	5000		100	80-120			

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Raland K. Tuttle Date: 10-18-04

Raland K. Tuttle, Lab Manager
Celey D. Keene, Lab Director, Org. Tech Director
Peggy Allen, QA Officer
Jeanne Mc Murrey, Inorg. Tech Director
James L. Hawkins, Chemist/Geologist
Sandra Biezugbe, Lab Tech.

Environmental Lab of Texas, Inc.

12600 West I-20 East
Odessa, Texas 79763
Phone: 915-563-1800
Fax: 915-563-1713

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: Roy Rascon
Company Name: RICE Operating
Company Address: 122 W. Taylor
City/State/Zip: Hobbs, NM 88240
Telephone No: (505) 393-9174
Fax No: (505) 397-1471
Sampler Signature: Joe Gatt

Project Name: EME Jct. K-6
Project #:
Project Loc:
PO #: 510

LAB # (lab use only): 4J14003

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers (4oz glass)	Preservative: Ice	HNO3	HCl	NaOH	H2SO4	None	Other (Specify)	Matrix: Water	Sludge	Soil	Other (specify)	Analyze For: TCLP: TDS / CL SARTES	TOTAL: TPH 418.1	TPH TX 1005/1006	TPH 8015M GRO/DRO	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030	RUSH TAT (Pre-Schedule)	Standard TAT
-01	Bott. Comp at 10' bgs	10/11/04	10:30	1	X									X		X			X						
-02	4 WALL COMP	10/11/04	10:45	1	X									X		X			X						
-03	REMD BACKFILL	10/11/04	11:00	1	X									X		X			X						

Special Instructions:
Fax Results To ROC

Relinquished by:	Date	Time	Received by:	Date	Time
Joe Gatt	10/11/04	4:30			
Relinquished by:	Date	Time	Received by ELOT: From Drop Box	Date	Time
[signature]	10-13-04	6:50p	Jaime McClung	10-14-04	0700

Sample Containers Intact? (Y) N
Temperature Upon Receipt: 0.5 °C
Laboratory Comments:

Environmental Lab of Texas
Variance / Corrective Action Report – Sample Log-In

Client: Rice Operating Co.

Date/Time: 10-14-04 @ 0800

Order #: 4J14003

Initials: JMM

Sample Receipt Checklist

Temperature of container/cooler?	(Yes)	No	0.5 C
Shipping container/cooler in good condition?	(Yes)	No	
Custody Seals intact on shipping container/cooler?	Yes	No	(Not present)
Custody Seals intact on sample bottles?	Yes	No	(Not present)
Chain of custody present?	(Yes)	No	
Sample Instructions complete on Chain of Custody?	(Yes)	No	
Chain of Custody signed when relinquished and received?	(Yes)	No	
Chain of custody agrees with sample label(s)	(Yes)	No	
Container labels legible and intact?	(Yes)	No	
Sample Matrix and properties same as on chain of custody?	(Yes)	No	
Samples in proper container/bottle?	(Yes)	No	
Samples properly preserved?	(Yes)	No	
Sample bottles intact?	(Yes)	No	
Preservations documented on Chain of Custody?	(Yes)	No	
Containers documented on Chain of Custody?	(Yes)	No	
Sufficient sample amount for indicated test?	(Yes)	No	
All samples received within sufficient hold time?	(Yes)	No	
VOC samples have zero headspace?	(Yes)	No	Not Applicable

Other observations:

_____

_____

_____

Variance Documentation:

Contact Person: - _____ Date/Time: _____ Contacted by: _____

Regarding:

_____

_____

_____

Corrective Action Taken:

_____

_____

_____

_____

_____

_____

_____

_____

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Roy Rascon
Rice Operating Co.
122 W. Taylor
Hobbs, NM 88240

Project: EME Vent K-6
Project Number: None Given
Location: None Given

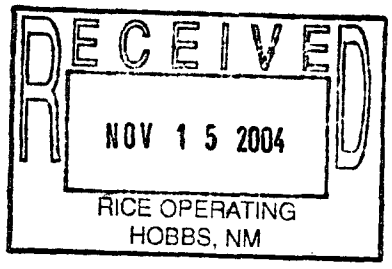
Lab Order Number: 4K03001

Report Date: 11/04/04

Rice Operating Co.	Project: EME Vent K-6	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Roy Rascon	11/04/04 08:04

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Soil Bore @ 105' 10 ft. East of Jct. Box	4K03001-01	Soil	11/01/04 17:45	11/03/04 08:00

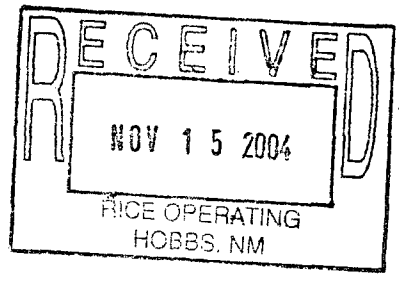


12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Rice Operating Co.	Project: EME Vent K-6	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Roy Rascon	11/04/04 08:04

General Chemistry Parameters by EPA / Standard Methods
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Soil Bore @ 105' 10 ft. East of Jct. Box (4K03001-01) Soil									
Chloride	**702**	20.0	mg/kg Wet	2	EK40303	11/03/04	11/03/04	SW 846 9253	



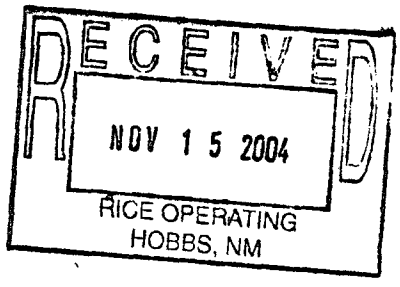
12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Rice Operating Co.	Project: EME Vent K-6	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Roy Rascon	11/04/04 08:04

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EK40303 - Water Extraction										
Blank (EK40303-BLK1)				Prepared & Analyzed: 11/03/04						
Chloride	ND	20.0	mg/kg Wet							
Matrix Spike (EK40303-MS1)		**Source: 4K03001-01**		Prepared & Analyzed: 11/03/04						
Chloride	1130	20.0	mg/kg Wet	500	702	85.6	80-120			
Matrix Spike Dup (EK40303-MSD1)		**Source: 4K03001-01**		Prepared & Analyzed: 11/03/04						
Chloride	1130	20.0	mg/kg Wet	500	702	85.6	80-120	0.00	20	
Reference (EK40303-SRM1)				Prepared & Analyzed: 11/03/04						
Chloride	5000		mg/kg	5000		100	80-120			

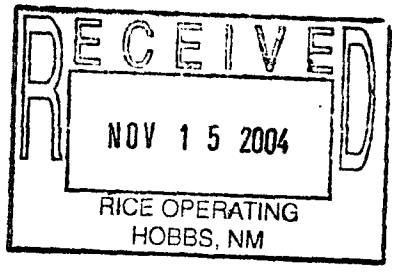


12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Rice Operating Co.	Project: EME Vent K-6	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	**Reported:**
Hobbs NM, 88240	Project Manager: Roy Rascon	11/04/04 08:04

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate



Report Approved By: Celey D. Keene Date: 11/05/04

Raland K. Tuttle, Lab Manager
Celey D. Keene, Lab Director, Org. Tech Director
Peggy Allen, QA Officer
Jeanne Mc Murrey, Inorg. Tech Director
James L. Hawkins, Chemist/Geologist
Sandra Biezugbe, Lab Tech.

Environmental Lab of Texas, Inc.

12600 West I-20 East
Odessa, Texas 79763
Phone: 915-663-1800
Fax: 915-563-1713

RECEIVED
NOV 15 2004
RICE OPERATING
HOBBS, NM

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: Roy Rascon
Company Name: RICE Operating
Company Address: 122 W. Taylor
City/State/Zip: Hobbs, NM 88240
Telephone No: (505) 393-9174
Fax No: (505) 397-1471
Sampler Signature:

Project Name: EME Vent K-6
Project #:
Project Loc:
PO #:

UK0300'

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers (4 oz glass)	Preservative: Ice	HNO3	HCl	NaOH	H2SO4	None	Other (Specify)	Matrix: Water	Sludge	Soil	Other (specify)	Analyze For: TDS (CL) SAR / EC	TPH 418.1	TPH TX 1005/1006	TPH 8015M GRO/DRO	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030	RUSH TAT (Pre-Schedule)	Standard TAT
-01	Soil bore @ 105' 10' east of Jct box	11/1/04	5:45pm	1	X									X		✓									

Special Instructions:

Relinquished by:	Date	Time	Received by:	Date	Time
Jesse Murray	11-2-04	3:30p			
Relinquished by:	Date	Time	Received by ELOT: From Drop Box	Date	Time
			Jesse Murray	11-03-04	0800

Sample Containers Intact? (Y) N
Temperature Upon Receipt:
Laboratory Comments:
4.0°C

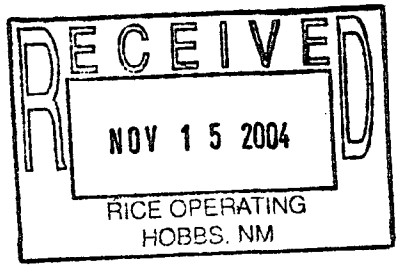
Environmental Lab of Texas
Variance / Corrective Action Report – Sample Log-In

Client: Rice Operating Co.

Date/Time: 11-03-04 @ 0830

Order #: 4K03001

Initials: JMM



Sample Receipt Checklist

Temperature of container/cooler?	Yes	No	4.0 C
Shipping container/cooler in good condition?	Yes	No	
Custody Seals intact on shipping container/cooler?	Yes	No	Not present
Custody Seals intact on sample bottles?	Yes	No	Not present
Chain of custody present?	Yes	No	
Sample Instructions complete on Chain of Custody?	Yes	No	
Chain of Custody signed when relinquished and received?	Yes	No	
Chain of custody agrees with sample label(s)	Yes	No	
Container labels legible and intact?	Yes	No	
Sample Matrix and properties same as on chain of custody?	Yes	No	
Samples in proper container/bottle?	Yes	No	
Samples properly preserved?	Yes	No	
Sample bottles intact?	Yes	No	
Preservations documented on Chain of Custody?	Yes	No	
Containers documented on Chain of Custody?	Yes	No	
Sufficient sample amount for indicated test?	Yes	No	
All samples received within sufficient hold time?	Yes	No	
VOC samples have zero headspace?	Yes	No	Not Applicable

Other observations:

_____

_____

_____

Variance Documentation:

Contact Person: -_____ Date/Time: _____ Contacted by: _____

Regarding:

_____

_____

_____

Corrective Action Taken:

_____

_____

_____

_____

_____

_____

_____

_____

RICE OPERATING COMPANY

122 WEST TAYLOR
HOBBS, NEW MEXICO 88240
PHONE: (505) 393-9174 FAX: (505) 397-1471

VOC FIELD TEST REPORT FORM

MINI RAE PLUS CLASSIC PHOTOIONIZATION GAS DETECTOR

MODEL NO: PGM 761S
SERIAL NO: 104412
CALIBRATION GAS
GAS COMPOSITION: ISOBUTYLENE 100 PPM
AIR BALANCE
LOT NO: 02-22-30
FILL DATE: 5/20/03
EXP. DATE: 11/20/04
ACCURACY: +or - 3%
METER READING
ACCURACY: 100.1

SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE
EME	K-6	K	6	22	36

SAMPLE	PID RESULT	SAMPLE	PID RESULT
10' North WALL	0.1		
10' South WALL	0.1		
10' East WALL	0.1		
5' West WALL	0.1		
Bott Comp. 10'	0.1		
4 WALL comp	0.1		
REMD. BACKFILL	16.4		

I certify that I have calibrated the above instrument in accordance to the manufacture operation manual.

Jay Britt — Signature
Environmental Tech. — Title
10/11/04 — Date

LABORATORY TEST REPORT

PETTIGREW & ASSOCIATES, P.A.
1110 N. GRIMES
HOBBS, NM 88240
(505) 393-9827

AASHTO R18

DEBRA P. HICKS, P.E./L.S.I.
WILLIAM M. HICKS. III, P.E./P.S.

To: Rice Operating
Attn: Carolyn Haynes
122 W. Taylor
Hobbs, NM 88240

Material: Red Clay

Test Method: ASTM: D 2922

Project: EME Vent K6

Date of Test: October 29, 2004

Depth: Finished Subgrade

Test No.	Location	Dry Density % Maximum	% Moisture	Depth
SG-1	Center of Pit	97.4	19.3	

Control Density: 109.5
ASTM: D 698

Optimum Moisture: 16.6

Required Compaction: 95%

Lab No.: 04 11951-11952

Copies To: Rice ✓

PETTIGREW & ASSOCIATES

BY: [signature] E.I.T.

HOBBS, NEW MEXICO 88240
PHONE: (505) 393-9174 FAX: (505) 397-1471

VOC FIELD TEST REPORT FORM

MINI RAE PLUS CLASSIC PHOTOIONIZATION GAS DETECTOR

MODEL NO: PGM 761S
CALIBRATION GAS
GAS COMPOSITION: ISOBUTYLENE
AIR
LOT NO: 03-2475
EXP. DATE: 1-7-06
METER READING
ACCURACY: 100

SERIAL NO: 104412

100 PPM
BALANCE
FILL DATE: 7-7-04
ACCURACY: ± 2%

SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE
EME	Vent K-6	K	6	22	36

SAMPLE	PID RESULT	SAMPLE	PID RESULT
@ 105' SB	0.9		

I certify that I have calibrated the above instrument in accordance to the manufacture operation manual.

Signature

11/1/04
Date